

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                             | DBs                                                                     | Default Operator | Plurals | Time Stamp          |
|-------|------|--------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------|---------|---------------------|
| L1    | 33   | ((TAKAYUKI) near2 (SUGA)).INV.                                           | US-PGPUB;<br>USPAT                                                      | ADJ              | ON      | 2009/12/04<br>13:04 |
| L2    | 18   | ((TAKESHI) near2 (AOYAMA)).INV.                                          | USPAT; USOCR                                                            | ADJ              | ON      | 2009/12/04<br>13:05 |
| L3    | 4    | ((HYOE) near2 (IWATA)).INV.                                              | USPAT; USOCR                                                            | ADJ              | ON      | 2009/12/04<br>13:05 |
| L4    | 4    | ((YUKIHIRO) near2 (MIURA)).INV.                                          | US-PGPUB;<br>USPAT; USOCR                                               | ADJ              | ON      | 2009/12/04<br>13:06 |
| L5    | 6    | ((TAKEHIRO) near2 (KISHI)).INV.                                          | USPAT; USOCR                                                            | ADJ              | ON      | 2009/12/04<br>13:06 |
| L6    | 8    | (((reflective with concave)adj3(mirror)) and(curve\$3 adj4 mirror)).clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/12/04<br>13:09 |
| L7    | 4    | (((reflective with concave)adj2(mirror)) and(curve\$3 adj4 mirror)).clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/12/04<br>13:10 |
| L8    | 1    | (((reflective with concave)adj2(mirror)) and(curve\$3 adj1 mirror)).clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/12/04<br>13:10 |
| L9    | 4    | (((reflective adj3 concave)adj2(mirror)) and(curve\$3 adj1 mirror)).clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/12/04<br>13:10 |
| L10   | 0    | (non adj3 mirror)".clm"                                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/12/04<br>13:11 |

|     |     |                                                                        |                                                                         |     |    |                     |
|-----|-----|------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| L11 | 0   | (non adj6 mirror)".clm"                                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:11 |
| L12 | 0   | ((non adj3 mirror))and<br>(flatbed adj4 (scanning<br>or scanner)).clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:13 |
| L13 | 275 | ((flatbed adj4 (scanning<br>or scanner))).clm.                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:14 |
| L14 | 274 | ((flatbed adj2 (scanning<br>or scanner))).clm.                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:14 |
| L15 | 247 | ((flatbed adj1(scanning<br>or scanner))).clm.                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:14 |
| L16 | 410 | (two)adj4((longitudinal<br>and lateral)adj5 edge)                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:17 |
| L17 | 292 | (two)adj2((longitudinal<br>and lateral)adj5 edge)                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:17 |
| L18 | 164 | (two)adj2((longitudinal<br>and lateral)adj1 edge)                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:17 |

|     |    |                                                                              |                                                                         |     |    |                     |
|-----|----|------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| L19 | 55 | (two)adj2((longitudinal and lateral)adj1 edge).<br>clm.                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:18 |
| L20 | 40 | (two)adj1((longitudinal and lateral)adj1 edge).<br>clm.                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:18 |
| L21 | 62 | (two)adj3((longitudinal and lateral)adj1 edge).<br>clm.                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:18 |
| L22 | 47 | (two)adj3((longitudinal with lateral)adj1 edge).<br>clm.                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:18 |
| L23 | 42 | (two)adj2((longitudinal with lateral)adj1 edge).<br>clm.                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:19 |
| L24 | 1  | (two)adj2((longitudinal with lateral)adj1 portion).clm.                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:19 |
| L25 | 1  | (first and second)adj2<br>((longitudinal with lateral)adj1 portion).<br>clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/04<br>13:19 |
| S1  | 31 | ((TAKAYUKI) near2 (SUGA)).INV.                                               | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/01/29<br>11:49 |
| S2  | 38 | ((TAKESHI) near2 (AOYAMA)).INV.                                              | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/01/29<br>11:56 |
| S3  | 8  | ((HYOE) near2 (IWATA)).INV.                                                  | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/01/29<br>11:56 |
| S4  | 8  | ((HYOE) near2 (IWATA)).INV.                                                  | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/01/29<br>11:57 |

|     |     |                                                                                                                   |                                                                         |     |    |                     |
|-----|-----|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| S5  | 4   | ((YUKI HI RO) near2 (MI URA)).INV.                                                                                | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/01/29<br>11:57 |
| S6  | 14  | ((TAKEHI RO) near2 (KI SHI)).INV.                                                                                 | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/01/29<br>11:58 |
| S7  | 884 | (reflective with concave)<br>adj3(mirror)                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>11:59 |
| S8  | 0   | ((reflective with<br>concave)adj3(mirror))<br>adj4(curve adj4 mirror)                                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:00 |
| S9  | 0   | ((reflective with<br>concave)adj3(mirror))<br>adj4(curve\$3 adj4<br>mirror)                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:00 |
| S10 | 81  | ((reflective with<br>concave)adj3(mirror))<br>and(curve\$3 adj4<br>mirror)                                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:00 |
| S11 | 0   | ((reflective with<br>concave)adj3(mirror))<br>and(curve\$3 adj4<br>mirror))and((non-mirror)<br>with(surface))     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:04 |
| S12 | 0   | ((reflective with<br>concave)adj3(mirror))<br>and(curve\$3 adj4<br>mirror))and((non adj3<br>mirror)with(surface)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:04 |
| S13 | 3   | "5844730"                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:04 |
| S14 | 2   | "6216952"                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:05 |

|     |        |                                                                                         |                                                                         |     |    |                     |
|-----|--------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| S15 | 146686 | ("359"/\$.ccls.)                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:06 |
| S16 | 1138   | ("359"/\$.ccls.)and(non<br>adj3 mirror)                                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:06 |
| S17 | 110    | ("359"/\$.ccls.)and((non<br>adj3 mirror)adj4<br>(surface))                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:07 |
| S18 | 67     | ("359"/\$.ccls.)and((non<br>adj3 mirror)adj1<br>(surface))                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:07 |
| S19 | 10     | ("359"/\$.ccls.)and((non<br>adj3 mirror)adj1<br>(surface))and(curve\$3<br>adj4 mirror)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:07 |
| S20 | 0      | ((("359"/\$.ccls.)and(non<br>adj3 mirror))and(flatbed<br>adj4 scanner)                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:10 |
| S21 | 0      | ((("359"/\$.ccls.)and(non<br>adj3 mirror))and(flatbed<br>adj4 (scanning or<br>scanner)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:11 |
| S22 | 0      | ((("359"/\$.ccls.)and(non<br>adj3 mirror))and(flatbed<br>adj4(scanning or<br>scanner))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:11 |

|     |    |                                                                  |                                                                         |     |    |                     |
|-----|----|------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| S23 | 2  | ((non adj3 mirror))and<br>(flatbed adj4(scanning<br>or scanner)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:11 |
| S24 | 1  | (435/7.2.ccls.)and(non<br>adj3 mirror)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:15 |
| S25 | 8  | (359/851.ccls.)and(non<br>adj3 mirror)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:15 |
| S26 | 6  | (358/475.ccls.)and(non<br>adj3 mirror)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:15 |
| S27 | 0  | (200/182.ccls.)and(non<br>adj3 mirror)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:15 |
| S28 | 0  | (200/182.ccls.)and(non<br>with mirror)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/01/29<br>12:16 |
| S29 | 0  | ("20040066544")and<br>(protuberance)                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/26<br>17:32 |
| S30 | 19 | ((TAKAYUKI) near2<br>(SUGA)).INV.                                | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:22 |
| S31 | 16 | ((TAKESHI) near2<br>(AOYAMA)).INV.                               | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:22 |
| S32 | 8  | ((HYOE) near2<br>(IWATA)).INV.                                   | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/07/04<br>15:22 |
| S33 | 4  | ((YUKIHIRO) near2<br>(MIURA)).INV.                               | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/07/04<br>15:23 |

|     |    |                                                                              |                                                                         |     |    |                     |
|-----|----|------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| S34 | 6  | ((TAKEHIRO) near2 (KISHI)).INV.                                              | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:23 |
| S35 | 0  | ((TAKAYUKI) near2 (SUGA)).INV.)and (protuberance)                            | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:24 |
| S36 | 12 | ((TAKAYUKI) near2 (SUGA)).INV.)and (surface)                                 | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:25 |
| S37 | 0  | ((TAKAYUKI) near2 (SUGA)).INV.)and (surface near4 reflective)near4 (surface) | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:25 |
| S38 | 0  | ((TAKESHI) near2 (AOYAMA)).INV.)and (surface near4 reflective)               | USPAT; USOCR                                                            | ADJ | ON | 2009/07/04<br>15:26 |
| S39 | 0  | ((HYOE) near2 (IWATA)).INV.)and (reflective near4 surface)                   | US-PGPUB;<br>USPAT; USOCR                                               | ADJ | ON | 2009/07/04<br>15:27 |
| S40 | 2  | "5712921".pn.                                                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/06<br>08:10 |
| S41 | 20 | "674498"                                                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:38 |
| S42 | 0  | "20040066544" and (longitudinal with edge)                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:41 |
| S43 | 0  | "20040066544" and (edge)                                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:41 |
| S44 | 1  | "20040066544" and (longitudinal)                                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:41 |

|     |   |                                               |                                                                         |     |    |                     |
|-----|---|-----------------------------------------------|-------------------------------------------------------------------------|-----|----|---------------------|
| S45 | 0 | "20040066544" and<br>(longitudinal with edge) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:42 |
| S46 | 0 | "20040066544" and<br>(longitudinal with edge) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:42 |
| S47 | 0 | "20040066544" and<br>(lateral with edge)      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:42 |
| S48 | 0 | ("20040066544") and<br>(lateral with edge)    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/12/03<br>14:43 |

12/ 4/ 2009 1:20:21 PM

C:\ Documents and Settings\ asarpong\ My Documents\ EAST\ Workspaces\ 10674498\_2.wsp